



Percent Word Problems as Decimal Expressions

Name: _____

Determine which expression is the correct answer.

Answers

- 1) A cell phone company dropped the prices on their phones by 9%. Which expression shows the new price of the phones(p)?

A. $p - 0.09p$ B. $p - 0.09$ C. $p - 1.09$ D. $100p + 0.09$
- 2) A sandwich shop was charging \$3.64 for a sandwich, but raised the price 7% making them cost \$3.89. Which expression shows how the new price was calculated?

A. $s - 1.07$ B. $s - 7$ C. 3.64×1.07 D. $s - 0.07$
- 3) A company was having a sale for 11% off the price of computer monitors. Which expression shows how much money you would save if you bought 39 monitors for z dollars a piece?

A. $z - 11$ B. $z - 1.11$ C. $0.11 \times 39z$ D. $z - 0.11$
- 4) An icecream bar was 485 calories. If they increased the size of the bar by 4% which expression can be used to find the new calorie count?

A. 485×1.04 B. $i - 1.04$ C. $i - 4$ D. $i - 0.04$
- 5) A mall kiosk needed to buy 35 new cell phone cases at z dollars a piece. Because they were buying so many they got 9% off the price. Which expression shows how much money they saved?

A. $z - 0.09$ B. $0.09 \times 35z$ C. $z - 9$ D. $z - 1.09$
- 6) A store raised the price on watermelons 12%. The original price for each was X dollars. Which expression shows the new price of the watermelons?

A. $100X + 0.12$ B. $X - 0.12$ C. $X + (0.12 \times X)$ D. $X - 1.12$
- 7) Cody drew a square with each side being exactly 5 centimeters long. If he wanted to make the square 8% larger which expression can he use to find the new sides length?

A. $s - 1.08$ B. $s - 8$ C. $s - 0.08$ D. 5×1.08
- 8) While clearing out some old inventory a store offered 9 percent off of any item(i). Which expression can be used to calculate the new cost of an item?

A. $i - 0.09i$ B. $100i + 0.09$ C. $i - 1.09$ D. $i - 0.09$
- 9) Joe was earning \$8 an hour before his raise. After his 5% raise he was making \$8.4 an hour. Which expression shows how his new hourly rate was calculated?

A. $r - 0.05$ B. $r - 5$ C. 8×1.05 D. $r - 1.05$
- 10) This years model of a cell phone is 10 percent heavier than last years. This years model weight is represent by w . Which expression can be used to calculate the weight of last years model?

A. $i - 0.1$ B. $i - 10$ C. $i - 1.1$ D. $i \div 1.1$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



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Answers

1. **A**

2. **C**

3. **C**

4. **A**

5. **B**

6. **C**

7. **D**

8. **A**

9. **C**

10. **D**